Contents Volumes 237/238

Fifth Special Issue on Linear Algebra and Statistics: In Celebration of C. R. Rao's 75th Birthday (September 10, 1995)

SIMO PUNTANEN (Tampere, Finland) AND GEORGE P. H. STYAN (Montréal, Québec, Canada)
A Brief Biography and Appreciation of Calyampudi Radhakrishna Rao, With a Bibliography of His Books and Papers 1

SUJIT KUMAR MITRA AND K. MANJUNATHA PRASAD (New Delhi, India)
The Nonunique Shorted Matrix 41

JIANMING MIAO AND ADI BEN-ISRAEL (New Brunswick, New Jersey)
Product Cosines of Angles Between Subspaces 71

DONALD W. ROBINSON (Provo, Utah)
The Determinantal-Rank Idempotents of a Matrix 83

XUZHOU CHEN AND ROBERT E. HARTWIG (Raleigh, North Carolina)
The Group Inverse of a Triangular Matrix 97

K. P. S. BHASKARA RAO (Bangalore, India)
Generalized Inverses With Respect to General Norms. III 109

JERZY K. BAKSALARY (Zielona Góra, Poland) AND AUGUSTYN MARKIEWICZ (Poznań, Poland)
Further Results on Invariance of the Eigenvalues of Matrix Products Involving Generalized Inverses 115

HEINZ NEUDECKER AND SHUANGZHE LIU (Amsterdam, The Netherlands)
The Density of the Moore-Penrose Inverse of a Random Matrix 123

HEINZ NEUDECKER (Amsterdam, The Netherlands)
The Asymptotic Variance Matrices of the Sample Correlation Matrix in Elliptical and Normal Situations and Their Proportionality 127

YASUKO CHIKUSE (Takamatsu-shi, Kagawa-ken, Japan)
Edgeworth and Saddle-Point Approximations for Random Rectangular Matrices 133

BJÖRN HOLMQUIST (Lund, Sweden)
The d-Variate Vector Hermite Polynomial of Order k 155

SHAGUFTA A. SULTAN AND DERRICK S. TRACY (Windsor, Ontario, Canada)
Moments of the Complex Multivariate Normal Distribution 191

RICHARD WILLIAM FAREBROTHER (Manchester, United Kingdom)
Some Early Statistical Contributions to the Theory and Practice of Linear Algebra 205

WIETSE DOL, TON STEERNEMAN, AND TOM WANSBEEK (Groningen, The Netherlands)
Matrix Algebra and Sampling Theory: The Case of the Horvitz-Thompson Estimator 225

JEAN-JACQUES TÉCHENÉ (Pau, France)
Sur la Notion de Projection Orthogonale dans un Espace Semi-euclidien . . 239

JÜRGEN GROSS AND GÖTZ TRENKLER (Dortmund, Germany)
On the Least Squares Distance Between Affine Subspaces 269

HANS SCHNEEWEISS (München, Germany)
The Reduced Form of Recursive Models: Small Sample Properties 277

PAUL A. BEKKER AND TOM J. WANSBEEK (Groningen, The Netherlands)
Proxies versus Omitted Variables in Regression Analysis 301

SIMO PUNTANEN (Tampere, Finland) AND ALASTAIR J. SCOTT (Auckland, New Zealand)
Some Further Remarks on the Singular Linear Model 313

STEPHEN HASLETT (Palmerston North, New Zealand)
Updating Linear Models With Dependent Errors to Include Additional Data and/or Parameters 329

HASIK SUNWOO (Chungju, Korea)
Simple Algorithms About Kronecker Products in the Linear Model 351

H. J. WERNER (Bonn, Germany) AND C. YAPAR (Trabzon, Turkey)
On Inequality Constrained Generalized Least Squares Selections in the General Possibly Singular Gauss-Markov Model: A Projector Theoretical Approach 359

HANS JOACHIM WERNER (Bonn, Germany) AND CEMIL YAPAR (Trabzon, Turkey)
A BLUE Decomposition in the General Linear Regression Model 395

MICHAEL D. PERLMAN (Seattle, Washington)
On Stochastic Majorization of the Eigenvalues of a Wishart Matrix 405

KENNETH NORDSTRÖM (Helsinki, Finland) AND THOMAS MATHEW (Baltimore, Maryland)
Inequalities for Sums of Matrix Quadratic Forms 429

B. MOND (Bundoora, Victoria, Australia) and J. E. PEČARIĆ (Zagreb, Croatia)
A Mixed Arithmetic-Mean–Harmonic-Mean Matrix Inequality 449

JOSIP E. PEČARIĆ (Zagreb, Croatia), SIMO PUNTANEN (Tampere, Finland), AND GEORGE P. H. STYAN (Montréal, Québec, Canada)
Some Further Matrix Extensions of the Cauchy-Schwarz and Kantorovich Inequalities, With Some Statistical Applications 455

PETER ŠEMRL (Maribor, Slovenia)
On a Matrix Version of Cochran's Statistical Theorem 477

JERZY K. BAKSALARY (Zielona Góra, Poland), PETER ŠEMRL (Maribor, Slovenia), AND GEORGE P. H. STYAN (Montréal, Québec, Canada)
A Note on Rank Additivity and Range Additivity 489

ROBERT E. HARTWIG (Raleigh, North Carolina), MATJAŽ OMLADIČ (Ljubljana, Slovenia), PETER ŠEMRL (Maribor, Slovenia), AND GEORGE P. H. STYAN (Montréal, Québec, Canada)
On Some Characterizations of Pairwise Star Orthogonality Using Rank and Dagger Additivity and Subtractivity 499

D. COLLOMBIER (Pau, France)
Tableaux à fréquences marginales d'ordre 2 proportionnelles 509

A. EL MOSSADEQ (Casablanca, Maroc)
Fractions de Résolution ω et Groupes Abéliens Finis 539

A. C. GEORGIOU AND N. TSANTAS (Thessaloniki, Greece)
Nonstationary Cyclic Behavior in Markov Systems 549

ANDRÉ KLEIN AND PETER SPREIJ (Amsterdam, The Netherlands)
On Fisher's Information Matrix of an ARMAX Process and Sylvester's Resultant Matrices 579

Author Index 591